

KAPPAZON H 53

Peroxide stabilizer

Chemical composition	combination of inorganic and organic salts
Appearance	yellow-brown, clear solution
pH-value 20 °C	5.0 - 6.5 (product)
Density 20 °C (g/ml)	approx. 1.1
Ionic charge	anionic

Function

KAPPAZON H 53

- is an universally applicable stabilizer for the bleaching of cellulosic fibres with hydrogen peroxide.
- is effective independent from the water hardness.
- binds heavy metal ions.
- has no interfacial-active properties and therefore is foam-free.
- is free of silicate.

Application

KAPPAZON H 53 is particularly suitable for continuous processes.

Bleaching of cotton fabric on the jig

The desized or scoured fabric is treated with the following liquor:

- 1.0 ml/l KAPPAZON H 53
- 6.0 ml/l NaOH 38 °Bé
- 10.0 ml/l H₂O₂ 35 %
- 2.0 g/l wetting agent/detergent, e. g. KAPPAWET BOS
- 6 – 8 passages at 95°C

Bleaching of cotton yarn on the cross wound bobbin

- 0.5 ml/l KAPPAZON H 53
- 3.0 ml/l NaOH 38 °Bé
- 5.0 ml/l H₂O₂ 35 %
- 0.5 g/l wetting agent/detergent, e. g. KAPPAWET BOS

For full-white, add:

- 0.2 % KAPPAPHOR ME
- 20 minutes from 20 °C – 110 °C
- 45 minutes at 110 °C

Bleaching of cotton tricot on the winch

When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 14, 2022, not subject to systematic change.

Contact

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Standards (further on request)

- GOTS
- OEKOTEX Standard 100
- ZDHC

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- 0.3 ml/l KAPPAZON H 53
 - 2.0 ml/l NaOH 38 °Bé
 - 4.0 ml/l H₂O₂ 35 %
 - 1.0 g/l wetting agent/detergent, e. g. KAPPAWET BOS
 - For full-white, add: 0.2 % KAPPAPHOR ME
- 60 minutes at 95 °C

Bleaching as per padding process (Cold pad-batch process, pad-roll process, various continuous processes)

Recommended application level:

- 5.0 ml/l KAPPAZON H 53, possibly in combination with
- 5.0 – 10.0 ml/l sodium silicate 38 °Be

Detailed formulation recommendations on request!

Regarding the application of the additionally mentioned products, please note the corresponding technical data sheets.

Dilution instruction

KAPPAZON H 53 can be diluted with cold water at any ratio. The product can be added directly to the bleaching liquor.

Storage

KAPPAZON H 53 remains stable for at least 1 year when if stored properly and cool in a tightly closed original container.